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nluoma@ucdavis.edu;tpresser@usgs.gov[]; presser@usgs.gov[]  
**Bcc:** []  
**From:** CN=Erin Foresman/OU=R9/O=USEPA/C=US  
**Sent:** Mon 10/24/2011 9:13:46 PM  
**Subject:** Re: Fw: BDCP - toxins appendix

Hi Michelle,

Thank you so much for sending out this email. I've read through the toxins appendix/'evaluation' and I'm very interested in your and/or your colleagues opinions about the level of water quality analysis provided and what types of analyses are reasonable to conduct. For example, there are a few sections with statements similar to this one,

"Quantification of this effect [increased flows in Yolo Bypass and decreased assimilation capacity from operations] on methylmercury in the aqueous system is not possible given the lack of information on current concentrations and distribution of mercury throughout the Yolo Bypass system, residence times of preliminary proposal-related inundation of Yolo Bypass, the rate of methylmercury production, and transport out of the Yolo Bypass and into the Sacramento River." p. D-17.

I'm interested in understanding if there are models capable of providing a more robust analysis with available inputs/information.

Thanks in advance for any guidance you have and please don't hesitate to get in touch if you have questions. Thanks!

Erin

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<http://www.epa.gov/region9/water/watershed/sfbay-delta/index.html>

-----Michelle K Shouse <mkshouse@usgs.gov> wrote: -----

To: Theresa S Presser <tpresser@usgs.gov>, "Robin Stewart" <arstewar@usgs.gov>, Michelle I Hornberger <mhornber@usgs.gov>, snluoma@ucdavis.edu  
From: Michelle K Shouse <mkshouse@usgs.gov>  
Date: 10/24/2011 12:53PM  
Cc: Keith R Prince <krprince@usgs.gov>, Erin Foresman/R9/USEPA/US@EPA  
Subject: Fw: BDCP - toxins appendix

Hi Ladies,

I received the e-mail below from Karen Schwinn at EPA. She is concerned the BDCP Effects Analysis

document attached is not as detailed as it should be. If possible, could you take a look at the document and perhaps send along some suggestions to Erin Foresman at EPA? If there are others that you think could provide some guidance, please let me know and I will forward the request to them. If you can, please send Erin your suggestions by the end of this week (Oct. 28) as she needs to send them on early next week.

If you have any questions, you can reach Erin at [Foresman.Erin@epamail.epa.gov](mailto:Foresman.Erin@epamail.epa.gov).

Thanks!  
Michelle

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----- Forwarded by Michelle K Shouse/DO/USGS/DOI on 10/24/2011 12:41 PM -----

From: [Schwinn.Karen@epamail.epa.gov](mailto:Schwinn.Karen@epamail.epa.gov)  
To: Eric Reichard <[egreich@usgs.gov](mailto:egreich@usgs.gov)>, [rfujii@usgs.gov](mailto:rfujii@usgs.gov), "Shouse, Michelle K" <[mkshouse@usgs.gov](mailto:mkshouse@usgs.gov)>  
Cc: [Foresman.Erin@epamail.epa.gov](mailto:Foresman.Erin@epamail.epa.gov)  
Date: 10/21/2011 03:48 PM  
Subject: Fw: BDCP - toxins appendix

Eric, Roger, and Michelle -

We just got this document (attached) from DOI. Its an appendix to the BDCP Effects Analysis prepared by the new consultant, ICF. This one is supposed to evaluate the contaminant effects on T&E species from the proposed BDCP actions (considering only the most extreme conveyance option, plus some range of habitat restoration). The constituents discussed in the document include selenium, mercury, ammonia, copper and pesticides.

From my non-scientific read, it seems pretty darn superficial - it basically says there will be less dilution but likely won't matter to fish. We are writing comments, pointing out some obvious things and questions we need addressed in the NEPA and/or 404 process. What's more difficult is advising them on how they might approach a deeper analysis. Do your folks have any time to look at this? Federico wants comments by noon on November 1 - though after that there may be an opportunity to interact with ICF directly. I checked with David Nawi on USGS involvement and he welcomes it, though I guess hasn't sought it in this particular case, given your resource constraints.

Erin Foresman, on our staff (located in Sacramento) is working on our comments. Feel free to contact have your folks contact her directly if they are able to assist. Thanks! - Karen

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[attachment "App D\_Toxins\_101411.pdf" removed by Erin Foresman/R9/USEPA/US]